

PATENT ABSTRACTS OF JAPAN

(11) Publication number : **11-212499**(43) Date of publication of application : **06.08.1999**

(51) Int.Cl.

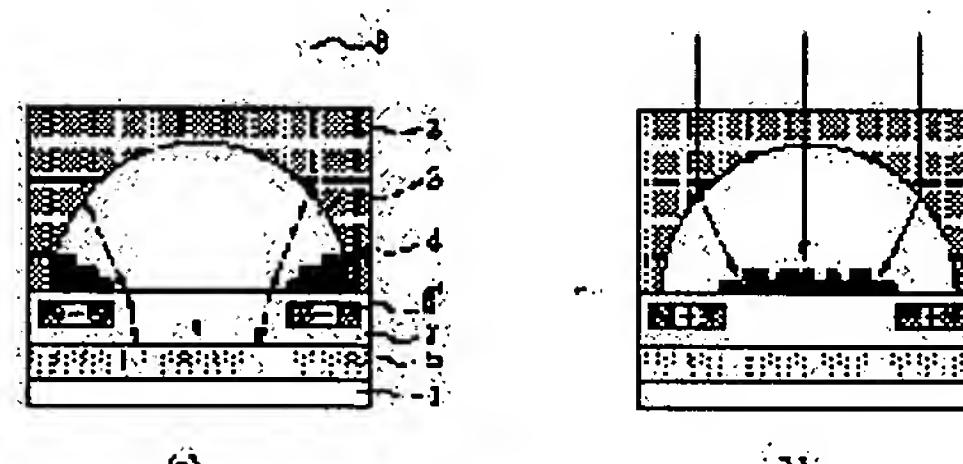
G09F 9/37(21) Application number : **10-011219**(71) Applicant : **CANON INC**(22) Date of filing : **23.01.1998**(72) Inventor : **IKEDA TSUTOMU
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(54) ELECTROPHORESIS DISPLAY DEVICE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an electrophoresis display device which improves the light use efficiency to have a high contrast by arranging a first electrode in the center of a first substrate and arranging a second electrode in an end part of the first substrate and forming the internal surface of a second substrate into such shape that light is condensed on the center part of the first substrate.

SOLUTION: The electrophoresis display device is provided with a first electrode 5, a second electrode 6 to which a voltage different from that of the first electrode is applied, plural colored and electrically charged migrating particles 4 which are moved between the first electrode and the second electrode, a first substrate 1, a second substrate 2 arranged so as to face the first substrate 1, and transparent insulating liquid 3 which is filled between the first substrate and the second substrate and holds plural colored and electrically charged migrating particles 4. In this electrophoresis display device, the first electrode 5 is arranged in the center of the first substrate 1, and the second electrode 6 is arranged in an end part of the first substrate 1, and the internal surface of the second substrate 2 has such shape that light is condensed on the center part of the first substrate 1.



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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or

[application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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